



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

OFFICE OF
REGIONAL ADMINISTRATOR

JUN 11 2010

The Honorable Chester J. Culver
Governor of Iowa
State Capital Building
Des Moines, Iowa 50319

Dear Governor Culver:

Thank you for your recommendations on air quality designations for the revised National Ambient Air Quality Standards (NAAQS) for lead throughout Iowa. Reducing levels of lead pollution is an important part of the U.S. Environmental Protection Agency's (EPA's) commitment to a clean, healthy environment. Lead exposure can cause a range of adverse health effects, most notably in children. Exposures to low levels of lead early in life have been linked to effects on IQ, learning, memory and behavior. This letter is to notify you of EPA's response to Iowa's designation recommendations, and to inform you of our approach for completing the designations for the revised lead NAAQS.

On October 15, 2008, EPA substantially strengthened NAAQS for lead. The new standard, set at 0.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), is 10 times tighter than the previous standard. In conjunction with strengthening the lead NAAQS, EPA also established new criteria for siting ambient lead monitors. The pre-existing ambient lead monitoring network was inadequate for determining whether many areas are meeting the revised lead NAAQS. Monitors meeting the new network siting requirements were to begin operation January 1, 2010.

The Clean Air Act (CAA) requires EPA to complete the initial designation process within two years of promulgating a new or revised NAAQS. If the Administrator has insufficient information to make these designations, EPA has the authority to extend the designation process by up to one year. In light of the new monitoring network which will generate additional information in the upcoming year, EPA intends to complete the lead designations in two rounds. In the first round, to be completed by October 15, 2010, EPA is designating as "nonattainment" any area that is violating the 2008 lead NAAQS based on data from the pre-2010 monitoring network. For all other areas, EPA is extending the deadline for designations by up to one year so that data from the newly deployed monitors can be considered in making appropriate designation decisions. EPA will complete the second round of lead designations no later than October 15, 2011.

We have reviewed Iowa's October 28, 2009, recommendation letter on air quality designations and all the associated technical information for the 2008 lead NAAQS, including, if available, the most recent air quality data from 2007-2009. However, EPA is not intending to complete the initial area designations for your state at this time. Instead, EPA intends to designate

all areas in your state by no later than October 15, 2011, in the second round of lead designations. If you would like to submit updated recommendations for your areas for our consideration in the second round of designations, we request that you do so by December 15, 2010. For the second round of designations, we will notify all states and tribes of our preliminary responses to their recommendations by no later than June 17, 2011.

We look forward to a continued dialogue with you and your staff as we work together to implement the 2008 lead NAAQS. Should you have any questions, please do not hesitate to call me, or have your staff contact Ms. Rebecca Weber of my staff at (913) 551-7487.

Sincerely,



Karl Brooks
Regional Administrator

cc: Richard Leopold, Director
Iowa Department of Natural Resources

Catharine Fitzsimmons, Chief
Air Quality Bureau
Iowa Department of Natural Resources

Gina McCarthy, Assistant Administrator for Air and Radiation
U. S. Environmental Protection Agency Headquarters

Steven D. Page, Director, Office of Air Quality Planning and Standards
U. S. Environmental Protection Agency Headquarters